CLAIMS

1. A molding material used to manufacture commercial products, the molding material comprises:

   (a) a plurality of recycled scrap tire particles having a surface area in the range of ¾ inch minus;

   (b) a plurality of recycled plastic flakes having a surface area; and

   (c) a bonding agent that coats substantially all of said surface areas of said tire particles and said plastic flakes,

   wherein combination of said recycled scrap tire particles having different surface areas, said recycled plastic flake having different surface areas, and said bonding agent results in a molding material that can be used to make a strong, substantially rigid, and durable product

2. The molding material of claim 1, wherein 50% of said recycled scrap tire particles having about a ¾ inch surface area; 30% of said recycled scrap tire particles having about a ½ inch surface area; 10% of said recycled scrap tire particles having about a ¼ inch surface area; and 10% of said recycled scrap tire particles having about a 10/30 mesh surface area.

3. The molding material of claim 2, wherein 50% of said recycled plastic flakes have a surface area of about ¼ inch and 50% of said recycled plastic flake have a surface area of about ⅛ inch.

4. The molding material of claim 3, wherein said recycled tire particles are in the range of 65% to 80% of the overall weight of the molding material.

5. The molding material of claim 4, wherein said bonding agent is in the range of 10 to 18 percent of the total weight of the molding material.

6. A process for preparing a molding material comprising the step of:

(a) providing a plurality of recycled scrap tire particles having a surface area in the range of ¾ inch minus;

(b) providing a plurality of recycled plastic flakes having a surface area;

(c) providing a bonding agent that coats substantially all of said surface areas of said tire particles and said plastic flakes; and

(d) mixing said recycled scrap tire particles, said recycled plastic flakes, and said bonding agent to produce a molding material that can be used to make a strong, substantially rigid, and durable product.

7. A pallet comprising:

(a) a plurality of recycled scrap tire particles having a surface area in the range of ¾ inch minus;

(b) a plurality of recycled plastic flakes having a surface area; and

(c) a bonding agent that coats substantially all of said surface areas of said tire particles and said plastic flakes,

wherein combination of said recycled scrap tire particles having different surface areas, said recycled plastic flake having different surface areas, and said bonding agent results in a strong, substantially rigid, and durable pallet.

8. The pallet of claim 7, wherein 50% of said recycled scrap tire particles having about a ¾ inch surface area; 30% of said recycled scrap tire particles having about a ½ inch surface area; 10% of said recycled scrap tire particles having about a ¼ inch surface area; and 10% of said recycled scrap tire particles having about a 10/30 mesh surface area.

9. The pallet of claim 8, wherein 50% of said recycled plastic flakes have a surface area of about ¼ inch and 50% of said recycled plastic flake have a surface area of about ⅛ inch.

10. The pallet of claim 9, wherein said recycled tire particles are in the range of 65% to 80% of the overall weight of the molding material.

11. The pallet of claim 10, wherein said bonding agent is in the range of 10 to 18 percent of the total weight of the molding material.